



# HF Happenings



South African Radio League \* Suid-Afrikaanse Radioliga  
Member Society of the International Amateur Radio Union since 1925  
[www.sarl.org.za](http://www.sarl.org.za) [www.iaru.org](http://www.iaru.org) [www.iaru-r1.org](http://www.iaru-r1.org)

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## Schedule change for AR Today

From Sunday 26 October, the following schedule will come into effect for Amateur Radio Today. The Sunday morning transmission at 10:00 central African time will be transmitted on 7 205 and 17 760 kHz. The Monday transmission at 18:30 central African time will be transmitted on 4 895 kHz. As many broad-

casters around the world make their frequency change on 26 October, reception reports on the various frequencies will be appreciated. Please send your reception report to [arto-day@sarl.org.za](mailto:arto-day@sarl.org.za)

## So how was your JOTA activity?



Michael, GOPOT, says, "We ran a simple set up for JOTA with an operating station (using dipoles and a hex beam) and morse sets. I also created a coded letter specific for our event. We only used voice to send/receive greetings messages. A lack of organisation and a bit of bad luck gave us a few challenges at the outset but I do not imagine the visiting Scouts noticed! I manned the morse sets so this is the focus of my observations and learning.

### My approach

We had three morse keys and oscillators set up along with laminated guide to the alphabet and numbers in morse code. I would start by getting each Scout to work out their name and have a go on the key. I would then give them some guidance of how to place their fingers, using their forearm and working on

getting the rhythm of an individual character and the spaces between words. Letters like 'C' and 'L' proved useful examples and were tricky for the youngsters to send. The older ones could simply use the morse guide to look up each letter they wanted to send but the younger ones needed to write it down. What they found most amazing was when they sent

something and I could decode it. Some of them got into coding whole sentences and one or two tried sending words to each other. I was amazed that none of them intuitively used the key correctly, typically trying to key with their thumb or palm.

I have a screen I have made up with the code on it, some relevant pictures and a little history of morse code. I do not think anyone has ever read it but one of the pictures is of Noor Inayat Khan (SOE). This proved quite compelling to the female Scouts who liked the strong role model and who proved to be far more patient with the coded message activity.

As an aside, one of the visitors wanted to take my practice sets apart to see how they worked and even spotted the latch on the front of the Czech key and wanted to know what it was for. I encouraged his disassembly/reassembly of my kit and found myself discussing the electronics side of things, which I had not expected to come up with such a young group.

### What I might do differently next time

- Have fewer keys / more people. It was hard to attend to more than two visitors at a time.

- Start with how to use the key *then* get them to send their name.
- Sit opposite the visitor ... just to see if this changes the engagement. Being on the same side of the table as the visitors meant it was easy to engage but it got mightily crowded with three or four visitors and me all trying to reach the keys.
- Make the morse sets more bullet proof. If you can bend it or twist it off, they did!
- The coded message letter (book code) is a great activity that keeps them engaged and it did not seem to matter that they were all decoding the same message. Many of the Scouts chose to work on this in pairs. In the future though, I may use a single letter but hand out different (and separate) coded messages."

Send your JOTA news to Dennis, ZS4BS at [zs4bs@netactive.co.za](mailto:zs4bs@netactive.co.za)

### **SARL National Field Day and VHF & UHF Contest - 10:00 UTC 15 November to 10:00 UTC 16 November 2014**

Yes, it is almost time for the second leg of the South African Radio League National Field Day and the South African Radio League VHF/UHF contest. Remember, we did this in February.

This can be a GREAT Club activity - get a nice site where you can pitch tents and position the caravans for the weekend. Start on the Friday afternoon setting up camp with the braai for dinner! Saturday morning set-up the station and antennas (after a breakfast of French toast with bacon and ice cream). Saturday afternoon get the braai going while the guys and girls work the world. Maybe a sing-song around the campfire (muzzle the dogs before they will join in!).

Sunday morning breakfast (scrambled eggs with honey drizzled over) and then work those last stations before starting to dismantle the antennas and the station. Start that potjiekos early so that it is ready by lunch. After lunch hitch the caravan, search for the kids and take off home (do



#### October

- 2 - SARL 80 m QSO Party
- 3 - Schools close
- 3 to 6 - The Two Oceans Hermanus Whale Festival
- 4 - Spring QRP Contest; RTA in Port Elizabeth; HABEX Launch; Yom Kippur
- 5 - RSGB 21/28 MHz Contest
- 6 - World Habitat Day
- 11 and 12 - AWA AM/SSB Contest
- 13 - Schools open
- 16 - RAE
- 17 to 19 - JOTA
- 18 - CQ Hou Koers
- 25 and 26 - CQ WW DX
- 28 - Early bird booking for the Cape Town RTA
- 30 to 1 Nov - Cradock Agriculture Show
- 31 to 2 Nov - Vredefort Dome Festival

#### November

- 1 - RTA in Cape Town; RaDAR Contest; Winterton Street Festival
- 1 and 2 - Cape Town International Kite Festival
- 5 to 8 - Delmas Christmas Market
- 9 - Remembrance Sunday; PEARS HF Contest
- 11 - Armistice Day
- 15 and 16 - SARL National Field Day; SARL VHF/UHF Contest
- 20 to 22 - Cherry Festival and Cherry 23 km Race, Ficksburg
- 29 - Sappi BirdLife Birding Big Day
- 29 and 30 - CQ WW DX CW Contest

not forget mother-in-law).

You can even try operating from A2, 3DA or 7P8 (check on that passport!

Go on, make a weekend of it!

### **SARL 5 MHz activity weekend**

While the logs and the WSPR activity logs are still be analysed, the draw for the lucky SSB log entry was held. The winner of the SARL Kit is Romeo Nardini, ZS6ARQ.

Congratulations Romeo!

### **Word to the Wise**

*The Golden Age of Ham Radio* - the five-year period centred on when you got your license. Everything before then was a primi-



tive wasteland and everything after that has been going to hell in a hand basket!

### CQ News Release

(CQ Policy Statement on stations in Crimea using Russian-issued call signs in CQ Contests) [Hicksville, NY - 17 October 2014]

"After considerable deliberation, CQ has determined that the best course of action regarding Crimea and CQ contests is to follow the lead of the United Nations and the United States government, both of which continue to consider Crimea to be part of Ukraine, until such time as the political situation there is resolved. Therefore, 'Logs will not be accepted for any CQ contest from stations in Crimea operating with Russian-issued call signs. Contacts made by others with those stations will be removed from contestants' logs without penalty. No contact or multiplier credits will be given.'

We fully realize that our action may very well disenfranchise several Crimean contestants who use Russian prefixes instead of Ukrainian prefixes.

As regrettable as that may be, our action is consistent with international law, as well as with our own Rules."

### RaDAR Contest

1 November sees the running of the second leg of the RaDAR Contest. RaDAR = Rapid Deployment Amateur Radio.

The RaDAR contest is a unique event aimed at promoting the use of Rapidly Deployable Amateur Radio stations. This contest is for all licensed radio amateurs not limited to South Africa. A choice is made prior to the contest to participate in one of the defined categories but may be changed at any time during the contest. The points system is so structured as to encourage portable operations especially moveable RaDAR stations.

The contest starts at 14:00 UTC and ends at 18:00 UTC (16:00 to 20:00 CAT) - approximately two hours during the day and two hours at night within the South African time zone.

All amateur bands, besides the WARC bands, are allowed including cross band contacts via amateur radio satellites. Modes - CW, SSB, AM, FM or any digital mode. QSOs via terrestrial repeaters will NOT be allowed.

The RaDAR contest requires more than a minimalistic information exchange. Accurate information exchange is considered more important than a large QSO count.

Call sign, name, RS(T) Report, QTH and grid locator. Note the grid locator can change as RaDAR operators are allowed to move position at any time. The grid locator of six characters is acceptable but should preferably be accurate to 10 characters for higher position accuracy.

Get all the details on page 30 of the 2014 South African Radio League Contest Manual.

### Results of the SARL QRP Contests

The results of the October leg of the QRP contest have been released. There was quite a bit of activity on the bands for the October leg of the QRP contest, but once again, only a few logs were submitted. Why is it that SA amateurs take part in competitions and then do not bother sending in their logs?



#### Home station

1<sup>st</sup> Johan van Zijl, ZS4DZ - 138 points

#### Field Stations

1<sup>st</sup> West Rand ARC, ZS6WR - 440 points

#### Ultra-light stations

1<sup>st</sup> Theo Bresler, ZS6TVB - 396 points

2<sup>nd</sup> Jaco Cronje, ZR6CMG - 276 points

3<sup>rd</sup> Brian Jones, ZS6BV - 180 points

The overall results of the four QRP contests held during the year.

#### Home stations

1<sup>st</sup> Johann van Zijl, ZS4DZ - 440 points

2<sup>nd</sup> Theo Bresler, ZS6TVB - 168 points

3<sup>rd</sup> L Serretta, ZS4SF - 110 points

4<sup>th</sup> Theunis Potgieter, ZS2EC - 96 points  
 5<sup>th</sup> Richard Hayter, ZS6RSH - 24 points  
 6<sup>th</sup> Wicus Ross, ZS1WWW, and Johannes Geldenhuys ZS2JO, - 12 points each

#### Field Stations

1<sup>st</sup> West Rand ARC, ZS6WR - 1 888 points  
 2<sup>nd</sup> Pretoria ARC, ZS6PTA - 848 points  
 3<sup>rd</sup> Andre Botes, ZS2ACP - 730 points  
 4<sup>th</sup> Francois Reynecke, ZS6FDX - 406 points  
 5<sup>th</sup> Port Elizabeth ARS, ZS2PE - 120 points  
 6<sup>th</sup> Bloemfontein ARC, ZS4BFN - 96 points

#### Ultra light stations

1<sup>st</sup> Rudi Venter, ZS6DX - 1 260 points  
 2<sup>nd</sup> Theo Bresler, ZS6TVB - 396 points  
 3<sup>rd</sup> Pierre van Deventer, ZS6A - 306 points  
 4<sup>th</sup> Jaco Cronje ZR6CMG - 276 points  
 5<sup>th</sup> Eddie Leighton, ZS6BNE - 216 points  
 6<sup>th</sup> John Kramer, ZS5J - 204 points  
 7<sup>th</sup> Brian Jones, ZS6BV - 180 points  
 8<sup>th</sup> Dennis Green, ZS4BS - 168 points

Congratulations to the winners. Let us hope the log submissions will improve next year.

### African Islands



#### IOTA frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz  
 SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz

3Y/B, Bouvet. The DX-WORLD.net is reporting, "Last Wednesday (a well known op) received word from the Norwegian Polar Institute, that, 'It's a go for a one-man DXpedition for 3 months, time frame half January 2016 through half April 2016 to Bouvet Island.'"

Bouvet Island (AN-002) is ranked no 3 in the DX Magazine's 2013 Most Wanted Countries Survey (the results of the 2014 survey will not be known until January 2015).

The last two operations from Bouvet took place in December 2007 by Petrus, ZS6GCM, as 3YOE and December 2000 by Chuck, N4BQW, as 3YOC.

Both operations were one-man operations. The last large DXpedition that took place there was 3Y5X (December 1989). Stay Tuned For Updates!

3B8 & 3B9, Mauritius and Rodriguez Islands. Olof, G0CKV, will be active from both Mauritius (AF-049) and Rodrigues Islands (AF-017) starting mid-week through late November. His tentative schedule is as follows:

22 October to 12 November - Mauritius; call sign 3B8HA

16 to 22 November - Rodrigues Island; call sign 3B9HA

Olof will use a basic setup (dipoles for 20/15/10 m) at Mauritius, operating mainly CW, but will be active in the CQ WW DX SSB Contest (25 and 26 October) as a Single-Op entry before he heads to Rodrigues Island. QSL via G0CKV, direct, LoTW or eQSL.

On Rodrigues Island, he will take a different approach and use his K3 radio into SpiderBeam poles and beverages for the lower bands. Activity will be holiday style.

He will return to Mauritius to be part of the 3B8MU team for the CQ WW DX CW Contest (29 and 30 November) in a Multi-Op entry. The 3B9MU operators mentioned are Olof, G0CKV, Kazu, JK3GAD, Seppo, OH1VR, Jorma, OH2KI and Olive, W6NV.

EF8, Canary Islands. Mauri, EA8CMX/OHBYS, will be active as EF8S during the CQ WW DX SSB Contest (25 and 26 October) as a Single-Op/Single-Band (80 m)/Low-Power entry. QSL via OH2BYS.

EF8, Canary Islands. Luis, EA8AY, will be active as EF8X from Tenerife Island (AF-004) during the CQ WW DX CW Contest (25 and 26 October) as a Single-Op/All-band/Low-Power entry. QSL via W2GR.

5R, Madagascar (5R8M Press Release #001). Mediterraneo DX Club reported on Friday 17 October [edited]: "In less than few days, 5R8M, Nosy Be Island (AF-057) the DXpedition organized by the Mediterraneo DX Club, in Madagascar from 21 October to 4 November, will be on air. Recently we have had new

great arrivals and now our complete team, with so many well know and experienced guys, is the following - Antonio, IZ8CCW (Team Leader); Jean-Jacques, F5NKK; Gabriele, I2V6W (co-Leader); Marco, IZ2GNQ; Francois, ON4LO; Michele, IK5ZUI; Eric, ON7RN; Mario, IK4MTK; Alain, F6ENO; Fabio, IK4QJF; Patrick, F2DX; Karl, OE3JAG; Michel, F5EOT; Ovidio, YO9XC; Henri, F1HRE, and Feri, YO5OED

The whole team is very motivated and so ready to work hard 24/24 hours each day to give the greatest number possible of DXers from all over the world the greatest number of possible new ones, bands/modes, with four stations (2 CW; 1 SSB and 1 RTTY) plus maybe a mixed station more and really daily time monitoring Six metre propagation.

If, as all of us wish, the internet connection will allow it on our official web site [www.mdx.org/5r8m/](http://www.mdx.org/5r8m/), we'll keep in touch every day with the DX community and we'll update our log in real time. During our permanence on Nosy Be, we kindly ask you to send any question only to our pilots IK7JTF (for Europe), N1DG (for USA) and IK0FTA for 6 metres.

AF-019. Sam, LY5W, informs OPDX [edited], "I am on Lampedusa Island preparing the IO9Y station for the CQ WW DX SSB Contest with friends from Slovenia. I will be on the air when all equipment is ready to be installed. Look for me some evenings trying to make QSOs as IG9/LY5W/P with a wire antenna. Will be on the island until the end of November."

AF-019. Operator Luigi, IK8HCG, will be active as IG9R from Lampedusa Island (with the support from Italian Navy Force), African Italy, during the next CQ WW DX SSB Contest (25 and 26 October) as a Single-Op/Single-Band (??) entry. QSL via IK8HCG.

TOO, Mayotte. Vincent, F4BKV, will be active as TOOX from Mayotte (AF-027) during the CQ WW DX SSB Contest (25 and 26 October) as a Single-Op/Single-Band (??) /high-power entry. QSL via LoTW. After the contest, Vin-

cent will active as FH/F4BKV until 29 October.

After this operation, Vincent will be one of operators of the upcoming FT4TA Tromelin Island DXpedition, so you may hear other team members sign FH/home call.

VQ9, Chagos. Bob, N7XR, who is expected to be active as VQ9XR from Diego Garcia Island (AF-006), reports that he is not sure when he will be active and states, "My dates are like a super-ball, bouncing all over the place. Cannot get the guy to submit the entry approval correctly which is delaying the trip. It's going to happen, that's for sure." Look for possible updates on <http://www.wake-diego2014.org>

## African DX

African Tours (Update). As mentioned last week, Nick, G3RWF, is heading back to Southern Africa for a 5-week holiday starting in Lesotho and being active as 7P8NH between 11 and 14 December. Nick informs OPDX that this is "real holiday" with the entire family coming to Southern African between Christmas and the New Year. However, he will be there longer with his wife, Liz. Nick states [edited], "I shall be on the air from South Africa from about 18 December to 5 January as ZS1/G3RWF, and then from Namibia from about 6 to 13 January as V5/G3RWF. All CW only (taking my K2)." Listen for him on the higher bands on CW (no SSB). He "doesn't anticipate any 80 or 160 m (and not 6 m for those who always ask)." Nick also mentioned one other thing to OPDX that his 7P8 license is good for a year and he may well return there sometime not too far off. QSL via G3RWF.

## Word to the Wise

*The Golden Age of Ham Radio* - the five-year period centred on when you got your license. Everything before then was a primitive wasteland and everything after that has been going to hell in a hand basket!

## Operating Tip



To save your voice during a 48-hour phone contest, set up your transceiver and speech processing to work at low volume levels and then discipline yourself to speak softly - even in those nasty Sunday-afternoon pileups! Also, try to minimize sound levels in the shack, such as from fans or blowers that a speech processor will pick up and add their noise to your voice.

### Digital Predistortion

Winner of the 2014 ARRL Technical Innovation Award, Warren NRØV, has posted a presentation on Digital Predistortion he gave at Ham Radio Friedrichshafen this year - <http://video.openhpsdr.org/HRF2014/PureSignal1.2.mp4>.

Author of the openHPSDR program's pre-distortion software, he hopes that bringing this commercial wireless ability to the ham bands will help clean up our signals. As he notes, "(It's) no problem to correct an entire amplifier chain at legal limit. No extra hardware or software is required - one just feeds back a sample of the output from the last stage to calculate the correction." As we move beyond our purely analogue, 13,8 V transceiver output amplifiers, adapting this technology provides some clear benefits at relatively little expense. Who knows - maybe someday we will be able to hear all that receiver performance we pay for!

### Low-band receiving loop

Gary K9AY checks in with an update of his popular low-band receiving loop <http://www.aytechnologies.com/TechData/HowToBuild.pdf>. "I've done a lot of analysis and experiments over the past couple years that are not yet published. Among the results is a better understanding of the role of ground. I now recommend a few radials for all installations: a minimum of (4) and preferably (8) radials that are twice as long as the loop's footprint. If you add them to an existing system, remember that the resistor should be readjusted for deepest null."

### Capacitors - do not bypass it!

EDN magazine published this collection of articles about capacitors - do not bypass it! <http://www.edn.com/collections/4435740/Capacitors> Capacitors can be surprisingly complex and there are more types of them than ever, with each having a special set of characteristics.

While you are at the EDN website, read this blog entry about an engineer (re)discovering superheterodyne image response!

<http://edn.com/electronics-blogs/living-analog/4435612/Superheterodyne-image-response>

### Contest Calendar

This week's contests compiled by Bruce Horn, WA7BNM. The period covered is 20 to 27 October 2014

#### Illinois QSO Party

17:00 UTC 19 October to 01:00 UTC 20 October

Mode: CW/digital, Phone

Bands: 160, 80, 40, 20, 15, 10, 6, 2 m

Classes: Fixed; Mobile; Portable; Rover; Non-IL

Exchange: IL: RS(T) and County; non-IL: RS(T) and state, province or country

Work stations: Once per band per mode per county

QSO Points: 1 point per phone QSO; 2 points per CW/digital QSO

Multipliers: IL Stations: Each IL county, state, VE province once; IL Stations: Each DXCC country (max of 5) once; non-IL Stations: Each IL county once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 19 November 2014

E-mail logs to: [n9jf@arrl.net](mailto:n9jf@arrl.net)

Mail logs to: WIARC, PO Box 3132, Quincy IL 62305-3132, USA

Find rules at:

<http://www.w9awe.org/ILQP%202014%20Rules.pdf>

Run for the Bacon QRP Contest

01:00 - 03:00 UTC 20 October

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Band; All Band

Max power: 5 watts

Exchange: RST, state, province or country and member no or power

Work stations: Once per band

QSO Points: 1 point per QSO with non-member; 3 points per QSO with member on same continent; 5 points per QSO with member on different continent

Multipliers: Each state, province or country once

Multiply mults by 2 if >50 members worked

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 26 October 2014

E-mail logs to: (none)

Upload log at:

<http://fpgrp.org/pigrun/autolog.php>

Mail logs to: (none)

Find rules at: <http://fpgrp.org/pigrun/>

ARRL School Club Roundup

13:00 UTC 20 October to 23:59 UTC 24 October

Mode: CW/RTTY/Digital, Phone

Bands: All, except 60, 30, 17, 12 m

Classes: Single Op (I); Club/Multi-Op (C); School Club/Group (S)

Max operating hours: 24 hours total; 6 hours out of any 24-hour period with off times of at least 30 minutes

Exchange: RS(T), Class (I/C/S) and state, province or country

Work stations: Once per mode

QSO Points: 1 point per phone QSO; 2 points per CW/RTTY/digital QSO

Multipliers: States and VE provinces and DXCC countries and (2 x class C QSOs) and (5 x class S QSOs)

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 8 November 2014

Post log summary at:

<http://www.b4h.net/arrlscr/>

Mail logs to: School Club Roundup, c/o LIMARC, PO Box 392, Levittown, NY 11756, USA

Find rules at: <http://www.arrl.org/school-club-roundup>

SKCC Sprint

00:00 - 02:00 UTC 22 October

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: (none)

Exchange: RST, state, province or country, name and SKCC no or power

Work stations: Once per band

QSO Points: 1 point per QSO; Bonus Points: 5 points per Centurion member QSO per band; 10 points per Tribune member QSO per band; 25 points per QSO with SKCC club call (K9SKC) per band

Multipliers: Each state, province or country once

Score Calculation: Total score = (total QSO points x total mults) and bonus points

Submit logs by: 23:59 UTC 24 October 2014

E-mail log summary to: (none)

Post log summary at:

<http://www.skccgroup.com/sprint/sks/sks-submit.html>

Mail logs to: (none)

Find rules at:

<http://www.skccgroup.com/sprint/sks/>

CWops Mini-CWT Test

13:00 - 14:00 UTC, 19:00 - 20:00 UTC 22 October and 03:00 - 04:00 UTC 23 October

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high

Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts

Exchange: Member: Name and member no; non-Member: Name and state, province or country

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each call once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 04:00 UTC 25 October 2014

Post log summary at:

<http://www.hornucopia.com/3830score/>

Mail logs to: (none)

Find rules at: <http://www.cwops.org/cwt.html>

## RSGB 80 m Club Sprint, SSB

19:00 - 20:00 UTC 23 October

Mode: SSB

Bands: 80 m Only

Classes: 100 W; 10 W

Exchange: other station's call and your call and serial no. and your name

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 30 October 2014

Upload log at:

<http://www.rsgbcc.org/cgi-bin/hfenter.pl>

Mail logs to: (none)

Find rules at:

<http://www.rsgbcc.org/hf/rules/2014/rsprint.shtml>

## NCCC RTTY Sprint

01:45 - 02:15 UTC 24 October

Mode: RTTY

Bands: (see rules)

Classes: (none)

Exchange: (see rules)

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 26 October 2014

E-mail logs to: (none)

Post log summary at:

<http://www.3830scores.com/>

Mail logs to: (none)

Find rules at:

<http://www.ncccsprint.com/rttyns.html>

## NCCC Sprint

02:30 - 03:00 UTC 24 October

Mode: (see rules)

Bands: (see rules)

Classes: (none)

Exchange: (see rules)

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 26 October 2014

E-mail logs to: (none)

Post log summary at:

<http://www.3830scores.com/>

Mail logs to: (none)

Find rules at:

<http://www.ncccsprint.com/rules.html>

## CQ Worldwide DX SSB Contest

00:00 UTC, Oct 25 to 24:00 UTC 26 October

Mode: SSB

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op All Band - QRP, low or high - option: classic or rookie; Single Op Single Band - QRP, low or high; Single Op Assisted All Band - QRP, low or high; Single Op Assisted Single Band - QRP, low or high; Multi-Single; Multi-Two; Multi-Multi

Max power: HP: 1 500 watts; LP: 100 watts; QRP: 5 watts

Exchange: RS and CQ Zone no

Work stations: Once per band

QSO Points: 0 points per QSO with same country (counts as mult); 1 point per QSO with different country same continent; 2 points per QSO with different country same continent (NA); 3 points per QSO with different continent

Multipliers: Each CQ zone once per band; each country once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 23:59 UTC 31 October 2014

E-mail logs to: [ssb@cqww.com](mailto:ssb@cqww.com)

Upload log at:

<http://www.cqww.com/logcheck/>

Web-to-Cabrillo form:

[http://www.b4h.net/cabforms/cqwwssb\\_cab.php](http://www.b4h.net/cabforms/cqwwssb_cab.php)

Mail logs to: Paper Logs, Box 481, New Carlisle, OH 45344, USA

Find rules at: <http://www.cqww.com/rules.htm>

## Next Week's Contests

CWops Mini-CWT Test, 13:00 - 14:00 UTC, 19:00 - 20:00 UTC 29 October and 03:00 - 04:00 UTC 30 October

NCCC RTTY Sprint, 01:45 - 02:15 UTC 31 October

NCCC Sprint, 02:30 - 03:00 UTC 31 October

IPARC Contest, CW, 06:00 - 10:00 UTC 1 November 14:00 - 18:00 UTC 1 November

Himalayan Contest, 12:00 UTC 1 November to 12:00 UTC 2 November



Ukrainian DX Contest, 12:00 UTC 1 November to 12:00 UTC 2 November

ARRL Sweepstakes Contest, CW, 21:00 UTC 1 November to 03:00 UTC 3 November

NA Collegiate ARC Championship, CW, 21:00 UTC 1 November to 03:00 UTC 3 November

IPARC Contest, SSB, 06:00 - 10:00 UTC, 14:00 - 18:00 UTC 2 November

High Speed Club CW Contest, 09:00 - 11:00 UTC, 15:00 - 17:00 UTC 2 November

DARC 10-Metre Digital Contest, 11:00 - 17:00 UTC 2 November

ARS Spartan Sprint, 02:00 - 04:00 UTC 4 November

### Grid Locators

Pete, N6ZE, found an online site that calculates Grid Locators to ten characters and provides the distance and bearing between them - <http://no.nonsense.ee/qth/map.html>.

### MS Excel

You think you are an Excel power user. While searching for an Excel spreadsheet to perform FFT calculations - without using the built-in Fourier analysis capability - Brian, K1LI, happened onto Excel Unusual, "A Blog for Applied Science, Engineering and Games in Excel." The list of topics applicable to ham radio is too long to repeat here, but it is a treasure trove of helpful tools.

<http://www.excelunusual.com/>

### What connector is that, anyway?

The wireless world has moved quite beyond the UHF/BNC/N world so Pasternak has prepared this connector identifier chart - <https://www.pasternack.com/images/pdf/7%20Connector%20Identifier.pdf>. Be flummoxed no more!

### Amateur Radio Video

Ralph Fedor, KØIR, has posted a very interesting video to YouTube that introduces newcomers to DXing, DXpeditions, and Amateur Radio in general - <http://youtu.be/k4dJcK-WVRw>.

### Old magazines

Paul, WØRW, found a website for searching old radio magazines with two million pages for your browsing pleasure! <http://www.americanradiohistory.com/>

### History this Week

Week starting 20 October 2014

#### HISTORY



1797 - The first successful parachute jump was made by André-Jacques Garnerin, Paris

1824 - In Yorkshire, England, Joseph Aspdin, a stonemason, patented Portland cement

1861 - First US transcontinental telegram sent ending the Pony Express

1879 - Thomas Edison perfects the carbonized cotton filament light bulb

1915 - First transatlantic radiotelephone message from Arlington, Virginia to Paris, France

1945 - First ballpoint pen goes on sale by Laslo Biro, 57 years after it was patented.

1956 - First video recording on magnetic tape televised coast-to-coast

1960 - First electronic wristwatch placed on sale

1966 - First Pacific communications satellite launched, Intelsat 2

### The Amphipolis Award

The world is in front of an important new mystery: the Ancient Tomb of Amphipolis. Excavations of big scale are still in development, with amazing findings, while at the same time a big question arises. Who is buried inside this astonishing grave? Roxanne, spouse of Alexander the Great? His son, Alexander the 4th? Or Alexander the Great himself?

Amphipolis was founded by the Athenians in 437 BC and is located in East Macedonia, near the outfall of Strimonas River in NE Greece. The place owned by the Edonites of Thrace and the first name was "9 ways." After a strong battle in 422 BC, the Spartans conquered Amphipolis. It was regained by the Athenians and remained free until 357 BC, when Philip the Second of Macedonia conquered it. Due to its position, it was used by Philip's son, Alexander the Great as the start point for his expeditions to Asia.

The tomb of Amphipolis was found on the Hill of Kasta. The surrounding wall of this important grave has a length of 500 metres and shaped almost a perfect circle. The diameter of the tomb is 158,4 metres. Almost intact, at many points, the wall is covered with cornice. The wall is constructed with marble from the island of Thassos. Originally, on the top of the Tomb there was a great Stone Lion, the Lion of Amphipolis. The Lion itself is 5,3 metres high and has a stone base that makes a total [with the Lion] height of 15,84 metres.

More detailed information at <http://www.theamphipolistomb.com/>

The Amphipolis Award is intended for Radio Amateurs or Listeners who have had contacts/reception with Greek prefectures involved with the ancient city of Amphipolis: 10 Contacts needed in total, 2 from SV1 Area (Attica), 3 from SV2 Area (Macedonia), 2 from SV3 area (Peloponnese) and 3 from SV7 area (Thrace).

All Bands may be used for the contacts and SSB, CW, RTTY or Mixed Mode.

Valid contacts made only after 1 January 1958.

A list of all information about the confirmed contacts is required and the national Association - IARU member or RAAG Award Manager must certify it. If the nominee is not a member of an association under the IARU, he must dispatch the cards.

Send your application together with 10 Euro to RAAG, Award Manager, PO Box 3564, 102 10 Athens, Greece

